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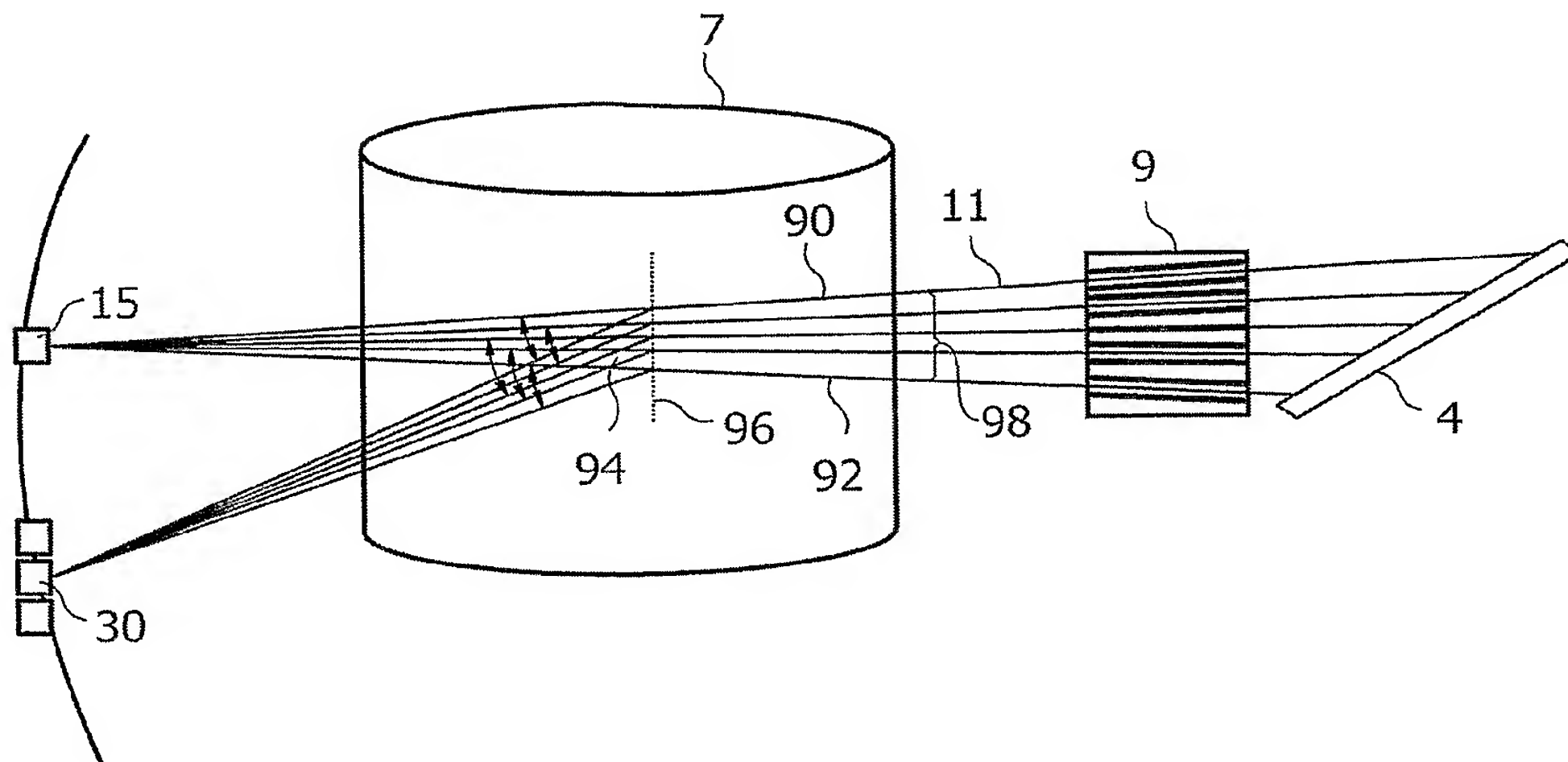
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(54) Title: FOCUSED COHERENT-SCATTER COMPUTER TOMOGRAPHY



(57) Abstract: Due to the provision of slit collimators an intensity of a fan beam is reduced significantly such that expensive high power x-ray tubes have to be used. According to an exemplary embodiment of the present invention, a high power tube may be used with a very long focus in combination with a focusing collimator. The tube can be a cheap fixed anode tube still with a high power of, for example, 15 kW due to the large focus. The collimator may ensure that the resolution of the reconstructed scatter function is not degraded. The illuminated slice thickness is increased which may allow for an isotropic spatial resolution.

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